

Opticast™ Forecast System

The forecasting solution
for a dynamic and
changing world



www.dtn.com/mining-opticast

weatherzone^o
business
a DTN company



Weatherzone's industry-leading, high-precision forecast system is optimized for real-time nowcasting out to 15 days, delivering profitable knowledge.

When weather poses a risk to your business, accurate and trusted weather data is invaluable. Precise forecasts support operational decisions and planning, ensuring personnel and asset safety and improving system efficiency.



Intelligent adaptation

Opticast is an intelligent forecast system that adapts to the local conditions of your site area, responding to rapidly-changing conditions. Powered by machine learning, it can forecast winds that are undetectable by global or regional weather forecast models.



Rapid updates

With an updated forecast every five minutes, Opticast utilizes on-site observations for real-time verification, ensuring forecast accuracy. Choose from a suite of meteorological parameters, including air temperature, atmospheric (barometric) pressure, humidity, precipitation, and wind, to customize your interface.



Global NWP data integration

Opticast thinks outside the square, integrating the best global and regional Numerical Weather Prediction models. Using advanced statistical techniques, it removes model bias to deliver a forecast optimized to your local environment.

Scalable science for dynamic advancement

Powered by advanced machine learning and data science technology, Opticast's robust infrastructure allows for constant evolution. Our dedicated team of data and forecast scientists provide 24/7 support.

Powering smart weather decisions

Taking your decision-making process and severe weather thresholds into account, Opticast provides clear, actionable insights to guide you through forecast weather conditions.

Your trusted global forecast solution

Opticast is your cloud-based data solution tailored for global deployment. It responds and adapts to any challenging environment, anywhere.

EMPOWERING YOUR DECISIONS

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